

Test Report

Berlin, 06.09.2019

Sample number: 19/094000
Client: BILLA Bulgaria Ltd.
 55 Bulgaria Blvd.
 Bulgaria-1404 Sofia
Date of entrance: 04.09.2019
Samplename: Blue plums
Samplenummer customer: 00BBU19090305
Organic: no
Origin: Bulgaria
Grower:
Lot: 36/02
Unit: approx. 1,4 kg
Quantity: 1
Package: bulk product, transport packaging, sealed, label
Sampling: by client, sample entry by delivery service
Added Identification: Seal Nr. 0395208
Begin of examination: 04.09.2019
End of examination: 06.09.2019



Examination of pesticides¹⁾

Scope of testing:		Pestizides GC		
Examination method:		PV-SA-085 (GC) ² ; (GC-MS/MS) 2019-06		
Parameters	Unit	Result	MRL	RL
Fenvalerate/Esfenvalerate (sum RR&SS)	mg/kg	<LoQ		0,010
Fenvalerate/Esfenvalerate (sum RS&SR)	mg/kg	<LoQ		0,010
Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate)	mg/kg	<LoQ	0,02	0,010
Scope of testing:		pesticides LC		
Examination method:		PV-SA-085 (LC) ² ; (LC-MS/MS) 2019-06		
Parameters	Unit	Result	MRL	RL
Cypermethrin	mg/kg	<LoQ		0,010
Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	mg/kg	<LoQ	2,00	0,010
Deltamethrin	mg/kg	<LoQ	0,07	0,010
Tebuconazole	mg/kg	0,092	1,00	0,010

RL = Reporting limit

MRL = Maximum residue level

1) Overview of the examined pesticides after the Combi-method (PV-SA-085), state 21.08.2019

2) PV-SA-085: combined procedure from the methods DFG S19 and QuEChERS with the detection modules LC-MS/MS and GC-MSD

ARfD-Evaluation:

Substance	Content [mg/kg]	MRL [mg/kg]	EH MRL [%]	QC [g]	VF	Intake [mg/kg BW]	ARfD [mg/kg KG]	EH ARfD [%]	NoP
Fenvalerate/Esfenvalerate (sum RR&SS)	<LoQ			170,64	7	0,00000	0,0500	-	0
Fenvalerate/Esfenvalerate (sum RS&SR)	<LoQ			170,64	7	0,00000	n.e.	-	0
Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate)	<LoQ	0,02		170,64	7	0,00000	n.e.	-	0
Cypermethrin	<LoQ			170,64	7	0,00000	0,0050	-	0
Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	<LoQ	2,00		170,64	7	0,00000	n.e.	-	0
Deltamethrin	<LoQ	0,07		170,64	7	0,00000	0,0100	-	0
Tebuconazole	0,092	1,00	9,2	170,64	7	0,00388	0,0300	12,9	1

Calculation model: EFSA PRIMo rev3

Calculation model: 2a (Fruit weight: 112 g)

QC = Quantity of consumption

VF = Variability-factor

EH = Exhaustion

MRL = Maximum residue level

NoP = Number of Pesticides

n.e. = not exist

BW = Body weight

Referenced body weight: 20 kg

Conclusion

Within the scope of analysis the product meets the demands of the EU Regulation concerning the maximum residues levels for pesticides in or on food and is marketable [1,2].

References:

[1] Collection of texts on food law in the most current version, publisher C. H. Beck

[2] Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC